



#4 0300

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Montgomery, *et al.*

Examiner: Unassigned

Serial No.: 09/552,994

Group Art Unit: Unassigned

Filed: April 21, 2000

Docket: 13045

For: LOW PEAK EXOTHERM  
CURABLE COMPOSITIONS

Kalow & Springut LLP  
488 Madison Avenue, 19th Floor  
New York, New York 10022

July 24, 2000

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

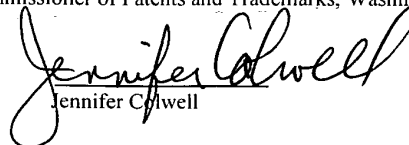
Applicants submit herewith the following disclosures in accordance with the provisions of 37 CFR § 1.97 and § 1.98.

---

Certificate of Mailing Under 37 C.F.R. 1.8

I hereby declare that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231.

7/24/00  
Date

  
Jennifer Colwell

Applicants: Montgomery *et al.*

Serial No.: 09/552,994

Filed: April 21, 2000

Page 2 (Information Disclosure Statement - July 24, 2000)



**U.S. PATENT DOCUMENTS**

<b><u>PATENT NO.</u></b>	<b><u>TITLE</u></b>	<b><u>ISSUE DATE</u></b>
4,689,015 to Denyer <i>et al.</i>	Dental Compositions	Aug. 25, 1987
4,771,089 to Ofstead	Polymer Blends With High Water Absorption	Sept. 13, 1988
4,859,716 to Ibsen <i>et al.</i>	Microfilled Dental Composite And Method For Making It	Aug. 22, 1989
5,100,992 to Cohn <i>et al.</i>	Polyurethane-Based Polymeric Materials And Biomedical Articles And Pharmaceutical Compositions Utilizing The Same	March 31, 1992
5,204,383 to Manabe <i>et al.</i>	Dental Adhesives	April 20, 1993
5,240,989 to Bernard <i>et al.</i>	Removable Pressure-Sensitive Adhesive Compositions Comprising Acrylic Based Emulsion Polymers	Aug. 31, 1993
5,278,201 to Dunn <i>et al.</i>	Biodegradable In-Situ Forming Implants And Methods Of Producing The Same	Jan. 11, 1994
5,410,016 to Hubbell <i>et al.</i>	Photopolymerizable Biodegradable Hydrogels As Tissue Contacting Materials And Controlled- Release Carriers	April 25, 1995
B1 4,938,763 to Dunn <i>et al.</i>	Biodegradable In-Situ Forming Implants And Methods Of Producing The Same	July 4, 1995
4,938,763 to Dunn <i>et al.</i>	Biodegradable In-Situ Forming Implants And Methods Of Producing The Same	July 3, 1990
5,472,991 to Schmitt <i>et al.</i>	Two-Stage Photocuring Process For A Dental Composition	Dec. 5, 1995
5,530,038 to Yamamoto <i>et al.</i>	Primer Composition And Curable Composition	June 25, 1996
5,534,562 to Jensen <i>et al.</i>	Compositions And Methods For Priming And Sealing Dental And Biological Substrates	July 9, 1996



Applicants: Montgomery *et al.*

Serial No.: 09/552,994

Filed: April 21, 2000

Page 3 (Information Disclosure Statement - July 24, 2000)

<u>PATENT NO.</u>	<u>TITLE</u>	<u>ISSUE DATE</u>
5,525,647 to Eichmiller	Method And Device For Controllably Affecting The Reaction Of Dental Adhesives	June 11, 1996
5,541,000 to Hardy <i>et al.</i>	Latent, Thermal Cure Accelerators For Epoxy-Aromatic Amine Resins Having Lowered Peak Exotherms	July 30, 1996
5,587,406 to Yamamoto <i>et al.</i>	Primer Composition And Curable Composition	Dec. 24, 1996
5,708,052 to Fischer <i>et al.</i>	Compositions And Methods For Priming And Sealing Dental And Biological Substrates	Jan. 13, 1998
5,721,289 to Karim <i>et al.</i>	Stable, Low Cure-Temperature Semi-Structural Pressure Sensitive Adhesive	Feb. 24, 1998
5,844,016 to Sawhney <i>et al.</i>	Redox And Photoinitiator Priming For Improved Adherence Of Gels To Substrates	Dec. 1, 1998
5,849,266 to Friedman	Dental Composition For Hypersensitive Teeth	Dec. 15, 1998
5,900,245 to Sawhney <i>et al.</i>	Compliant Tissue Sealants	May 4, 1999
5,936,035 to Rhee <i>et al.</i>	Biocompatible Adhesive Compositions	Aug. 10, 1999
6,030,634 to Wu <i>et al.</i>	Polymer Gel Composition And Uses Therefor	Feb. 29, 2000
6,037,385 to Smith	Radiant Energy Curable Polyester Resin Composition	March 14, 2000
6,048,202 to Jensen <i>et al.</i>	Polymerizable Isolation Barriers With Enhanced Tissue Adherence And Methods For Forming And Using Such Barriers	April 11, 2000
6,086,370 to Jensen <i>et al.</i>	Polymerizable Isolation Barriers Containing Reflective Materials And Methods For Forming And Using Such Barriers	July 11, 2000



Applicants: Montgomery *et al.*  
Serial No.: 09/552,994  
Filed: April 21, 2000  
Page 4 (Information Disclosure Statement - July 24, 2000)

### FOREIGN PATENT DOCUMENTS

<u>DOCUMENT NO.</u>	<u>TITLE</u>	<u>PUBLICATION DATE</u>
WO 93/17669	Photopolymerizable Biodegradable Hydrogels As Tissue Contacting Materials And Controlled-Release Carriers	Sept. 16, 1993
WO 98/36700	Polymerizable Isolation Barriers And Methods For Forming And Using Such Barriers	Aug. 27 1998

### OTHER DOCUMENTS

1. Spadaro *et al.*, "Silver Polymethyl Methacrylate Antibacterial Bone Cement," *Clinical Orthopaedics and Related Research*, 143: 266-270 (1979).
2. Mathias *et al.*, "Allergic Contact Dermatitis From Anaerobic Acrylic Sealants," *Arch. Dermatol.*, 120: 1202-1205 (1984).
3. Gurny *et al.*, "Bioadhesive Intraroral Release Systems: Design, Testing and Analysis," *Biomaterials*, 5: 336-340 (1984).
4. Baker *et al.*, "The Release of Residual Monomeric Methyl Methacrylate from Acrylic Appliances in the Human Mouth: An Assay for Monomer in Saliva," *J. Dent. Res.*, 67: 1295-1299 (1988).
5. Tobler *et al.*, "Contact Dermatitis from Acrylate and Methacrylate Compounds in Lowicryl® Embedding Media for Electron Microscopy," 23: 96-102 (1990).
6. Kanerva, *et al.*, "Occupational Allergic Contact Dermatitis Caused by Exposure to Acrylates During Work With Dental Prostheses," *Contact Dermatitis*, 28: 268-275 (1993).
7. Guo, Jian-Hwa, "Investigating the Surface Properties and Bioadhesion of Buccal Patches," *J. Pharm. Pharmacol.*, 46: 647-650 (1994).

Applicants: Montgomery *et al.*  
Serial No.: 09/552,994  
Filed: April 21, 2000  
Page 5 (Information Disclosure Statement - July 24, 2000)

8. Kanerva, *et al.*, "Occupational Allergic Contact Dermatitis from 2-hydroxyethyl Methacrylate and Ethylene Glycol Dimethacrylate in a Modified Acrylic Structural Adhesive," *Contact Dermatitis*, 33: 84-89 (1995).
  9. Guo *et al.*, "The Effects of Backing Materials and Multilayered Systems on the Characteristics of Bioadhesive Buccal Patches," *J. Pharm. Pharmacol.*, 48: 255-257 (1996).
  10. Hume *et al.*, "Bioavailability of Components of Resin-Based Materials Which Are Applied to Teeth," *Crit. Rev. Oral Biol. Med.*, 7: 172-179 (1996).
  11. Peppas *et al.*, "Hydrogels as Mucoadhesive and Bioadhesive Materials: A Review," *Biomaterials*, 17: 1553-1561 (1996).
  12. DeGrande *et al.*, "Specialized Oral Mucosal Drug Delivery Systems: Patches," pp. 285-315 in *Oral Mucosal Drug Delivery*, ed. Michael J. Rathbone (1996).
  13. Hemmer *et al.*, "Allergic Contact Dermatitis to Artificial Fingernails Prepared From UV Light-Cured Acrylates," *Journal of the American Academy of Dermatology*, 35: 377-380 (1996).
  14. Lönnroth *et al.*, "Use of Polymer Materials in Dental Clinics, Case Study," *Swed. Dent.J.*, 21: 149-159 (1997).
  15. Kanerva *et al.*, "10 Years of Patch Testing With the (Meth)acrylate Series," *Contact Dermatitis*, 37: 255-258 (1997).
  16. Chung *et al.*, "Sensitization Potentials of Methyl, Ethyl, And *n*-Butyl Methacrylates And Mutual Cross-Sensitivity in Guinea Pigs," *The Journal of Investigative Dermatology*, 68: 187-190 (1977).
- 
17. Lipman, Roger, "Hydrocolloid PSAs: New Formulation Strategies," *Medical Device & Diagnostic Industry*, 132-148 (1999).

The above documents are also listed on Applicants' PTO 1449 Form which is enclosed for the convenience of the Examiner. A copy of each of the items identified above is submitted with this statement.

Applicants: Montgomery *et al.*  
Serial No.: 09/552,994  
Filed: April 21, 2000  
Page 6 (Information Disclosure Statement - July 24, 2000)

The attorneys for the Applicants take no position on whether or not any item cited above and listed on Form PTO 1449 constitutes prior art against the subject application under any particular provision of Title 35 of the United States Code.

If there are any questions or comments relating to the present application, the Examiner is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,



---

Franklin S. Abrams  
Registration No.: 43,457  
Attorney for Applicants

Kalow & Springut LLP  
Telephone No.: (212) 813-1600

T:\PATENTS\Applications\13045\IDSStatement.wpd